

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



11/9/83
A2575-1

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 For Week Ended

OCTOBER 28, 1983

NO. 43

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 10/28/83	Last Week Ending: 10/21/83	Last Year Week Ending: 10/29/82		Change From Last Week	Change From Last Year
<u>Refinery Operations</u>						
Input to crude oil distillation units	11,866	11,994	11,907	-	128	- 41
Operable capacity	16,309	16,309	16,663		0	- 354
Percent operated	72.8	73.5	71.5			
<u>Motor Gasoline</u>						
Total motor gasoline production	6,147	6,043	6,374	+	104	- 227
Finished leaded motor gasoline production	2,605	2,600	N/A	+	5	N/A
Finished unleaded motor gasoline production	3,542	3,443	N/A	+	99	N/A
Total motor gasoline stocks	227,384	229,790	232,601	-	2,406	- 5,217
Finished leaded motor gasoline stocks	92,695	95,095	N/A	-	2,400	N/A
Finished unleaded motor gasoline stocks	95,026	94,818	96,739	+	208	- 1,713
<u>Distillate Fuel Oil</u>						
Distillate fuel oil production	2,679	2,712	2,920	-	33	- 241
Distillate fuel oil stocks	165,744	164,215	169,558	+	1,529	- 3,814
<u>Residual Fuel Oil</u>						
Residual fuel oil production	718	673	976	+	45	- 258
Residual fuel oil stocks	48,835	49,200	60,947	-	365	- 12,112
<u>Imports</u>						
Crude oil imports	3,622	3,674	3,512	-	52	+ 110
Product imports	1,361	1,952	1,581	-	591	- 220
<u>Crude Oil Stocks</u>						
Crude oil stocks	344,766	350,132	349,791	-	5,366	- 5,025

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 682-8516

NA-Not Available

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 64

For Week Ended

OCTOBER 28, 1983

NO. 43

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	878	851	866	1,229	70.5
Appal. No. 1	93	88	89	177	50.3
DISTRICT 1 TOTAL	971	939	955	1,406	67.9
Appal. No. 2	57	55	56	66	84.8
Ind., Ill., Ky.	1,864	1,774	1,801	2,345	76.8
Minn., Wis., Daks.	292	284	289	296	97.6
Okla., Kans., Mo.	642	594	612	827	74.0
DISTRICT 2 TOTAL	2,855	2,707	2,758	3,534	78.0
Inland Texas	516	441	441	585	75.4
Texas Gulf Coast	3,283	2,975	3,085	3,907	79.0
La. Gulf Coast	1,980	1,805	1,813	2,890	62.7
N. La. and Ark.	172	159	171	286	59.8
New Mexico	67	49	50	105	47.6
DISTRICT 3 TOTAL	6,018	5,429	5,560	7,773	71.5
DISTRICT 4 TOTAL	432	431	436	536	81.3
DISTRICT 5 TOTAL	2,010	2,157	2,157	3,060	70.5
TOTAL U.S.	12,286	11,663	11,866	16,309	72.8
TOTAL U.S.					
Weeks Ended:					
OCT. 21, 1983	12,678	11,679	11,994	16,309	73.5
OCT. 29, 1982	12,799	11,554	11,907	16,663	71.5
DISTRICTS 1-4					
Weeks Ended:					
OCT. 28, 1983	10,276	9,506	9,709	13,249	73.3
OCT. 21, 1983	10,502	9,535	9,824	13,249	74.1
OCT. 29, 1982	10,769	9,571	9,886	13,580	72.8

API WEEKLY STATISTICAL BULLETIN
 Week Ended *OCTOBER 28, 1983*
U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	460	159	301	27	31	177●	90
Appal. No. 1	33	12	21	1	--	24	4
DISTRICT 1 TOTAL	493	171	322	28	31	201●	94
Appal. No. 2	39	23	16	--	1	16	2
Ind., Ill., Ky.	1,035	425	610	10	93	367	26
Minn., Wis., Daks.	160	89	71	6	23	71	10
Okla., Kans., Mo.	383	178●	205●	4	28	172	10
DISTRICT 2 TOTAL	1,617	715●	902●	20	145	626	48
Inland Texas	316	168	148	23	19	130	17
Texas Gulf Coast	1,476	557	919	28	182	760	210
La. Gulf Coast	1,002	414	588	8	175	397	42
N. La. and Ark.	56	19	37	3	--	54	11
New Mexico	30	18	12	8	1	18	2
DISTRICT 3 TOTAL	2,880	1,176	1,704	70	377	1,359	282
DISTRICT 4 TOTAL	195	116	79	15	14	124	9
DISTRICT 5 TOTAL	962	427	535	37	227	369	285
TOTAL U.S.	6,147	2,605	3,542	170	794	2,679	718
TOTAL U.S.							
Weeks Ended:							
<i>OCT. 21, 1983</i>	6,043	2,600●	3,443●	132	860	2,712●	673
<i>OCT. 29, 1982</i>	6,374	N/A	N/A	181	863	2,920	976
DISTRICTS 1-4							
Weeks Ended:							
<i>OCT. 28, 1983</i>	5,185	2,178	3,007	133	567	2,310	433
<i>OCT. 21, 1983</i>	5,055	2,136●	2,919●	98	623	2,367●	419
<i>OCT. 29, 1982</i>	5,415	N/A	N/A	135	652	2,598	649

¹Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

NA-Not Available

● SEE REVISIONS ON PAGE 7

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,094	2,578	2,515	1	87	633	13,958	2,754	--
Central Atlantic	29,595	11,899	12,878	4,818	479	5,015	45,070●	17,134	15,472
Lower Atlantic	28,061	14,222	13,411	428	109	3,545	15,734	3,212	625
DISTRICT 1 TOTAL	62,750	28,699	29,804	5,247	675	9,193	74,762●	23,100	16,097
DISTRICT 2 TOTAL	66,451	30,057	29,251	7,143	1,903	8,247	40,337	3,698	18,057
DISTRICT 3 TOTAL	65,474	22,405	25,456	17,523	2,684	12,543	37,340	13,174	52,776
DISTRICT 4 TOTAL	6,125	2,901	1,753	1,471	358	657	2,724	971	2,901
DISTRICT 5 TOTAL	26,584	8,543	9,762	8,279	1,542	5,997●	10,581	7,892	23,155
TOTAL U.S.	227,384	92,695	95,026	39,663	7,162	36,637	165,744	48,835	112,986
TOTAL U.S.									
Weeks Ended:									
OCT. 21, 1983	229,790	95,095	94,818	39,877	7,081	36,482●	164,215●	49,200	113,316
OCT. 29, 1982	232,601	N/A	96,739	N/A	6,206	34,419	169,558	60,947	111,715
DISTRICTS 1-4									
Weeks Ended:									
OCT. 28, 1983	200,800	84,152	85,264	31,384	5,620	30,640	155,163	40,943	89,831
OCT. 21, 1983	202,638	86,131	84,808	31,699	5,179	30,267	153,296●	41,015	89,723
OCT. 29, 1982	204,295	N/A	86,509	N/A	4,951	28,542	160,412	51,000	86,838

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

NA, Not Available

● SEE REVISIONS ON PAGE 7

WEEKLY STATISTICAL BULLETIN
Week Ended OCTOBER 28, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API Monthly	Latest Dept. of Energy MAY 1983	Total	From Canada	
	----- Daily Average -----				
DISTRICTS 1-4 TOTAL					
OCT. 28, 1983	5,836.0	5,828.0	3,496	221	261,803
OCT. 21, 1983	5,836.0	--	3,401	273	262,577●
OCT. 14, 1983	5,836.0	--	3,120	280	264,285
OCT. 7, 1983	5,830.0	--	3,063	237	265,874
DISTRICT 5 TOTAL					
OCT. 28, 1983	2,855.5	2,787.0	126	7	82,963 *
OCT. 21, 1983	2,855.5	--	273	8	87,555
OCT. 14, 1983	2,855.5	--	220	--	86,239
OCT. 7, 1983	2,850.1	--	220	--	83,576
*INCLUDES 29,337 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
OCT. 28, 1983	8,691.5	8,615.0	3,622	228	344,766 *
OCT. 21, 1983	8,691.5	--	3,674	281	350,132●
OCT. 14, 1983	8,691.5	--	3,340	280	350,524
OCT. 7, 1983	8,680.1	--	3,283	237	349,450
OCT. 29, 1982	8,683.6 /A	--	3,512	156	349,791

/A - DOE ACTUAL FOR OCTOBER 1982.

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
OCT. 28, 1983	15,728	77,295	156,475	12,305	261,803	82,963 *	344,766 *
OCT. 21, 1983	15,366	78,246	156,719●	12,246	262,577●	87,555	350,132●
OCT. 29, 1982	17,801	71,721	157,192	12,230	258,944	90,847	349,791

¹See definitional notes, Page 6.

● SEE REVISIONS ON PAGE 7.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³	Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type						
New England	--	--	--	--	--	104	--	--	--	--	104
Central Atlantic	101	--	101	--	25	37	315	--	65	33	576
Lower Atlantic	37	14	23	--	--	27	57	--	--	--	121
DISTRICT 1 TOTAL											
OCT. 28, 1983	138	14	124	--	25	168	372	--	65	33	801
OCT. 21, 1983	215	100	115	--	53	252	778	2	71	233	1,604
OCT. 14, 1983	199	43	156	--	10	389	723	18	110	47	1,496
OCT. 7, 1983	261	143	118	--	37	228	744	5	86	118	1,479
DISTRICTS 2-4 TOTAL											
OCT. 28, 1983	55	55	--	--	9	24	100	93	102	109	492
OCT. 21, 1983	3	3	--	--	6	20	56	62	87	44	278
OCT. 14, 1983	3	3	--	--	6	20	36	40	10	144	259
OCT. 7, 1983	3	3	--	--	6	15	27	99	116	39	305
DISTRICT 5 TOTAL											
OCT. 28, 1983	23	2	21	--	2	3	11	6	--	23	68
OCT. 21, 1983	20	10	10	--	2	5	18	13	2	10	70
OCT. 14, 1983	22	11	11	--	2	4	47	15	19	20	129
OCT. 7, 1983	28	17	11	--	2	5	26	8	2	10	81
TOTAL U.S.											
	216	71	145	--	36	195	483	99	167	165	1,361
TOTAL U.S.											
Weeks Ended:											
OCT. 21, 1983	238	113	125	--	61	277	852	77	160	287	1,952
OCT. 14, 1983	224	57	167	--	18	413	806	73	139	211	1,884
OCT. 7, 1983	292	163	129	--	45	248	797	112	204	167	1,865
OCT. 29, 1982	294	N/A	64	6	14	100	684	213	151	60	1,581

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District I is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

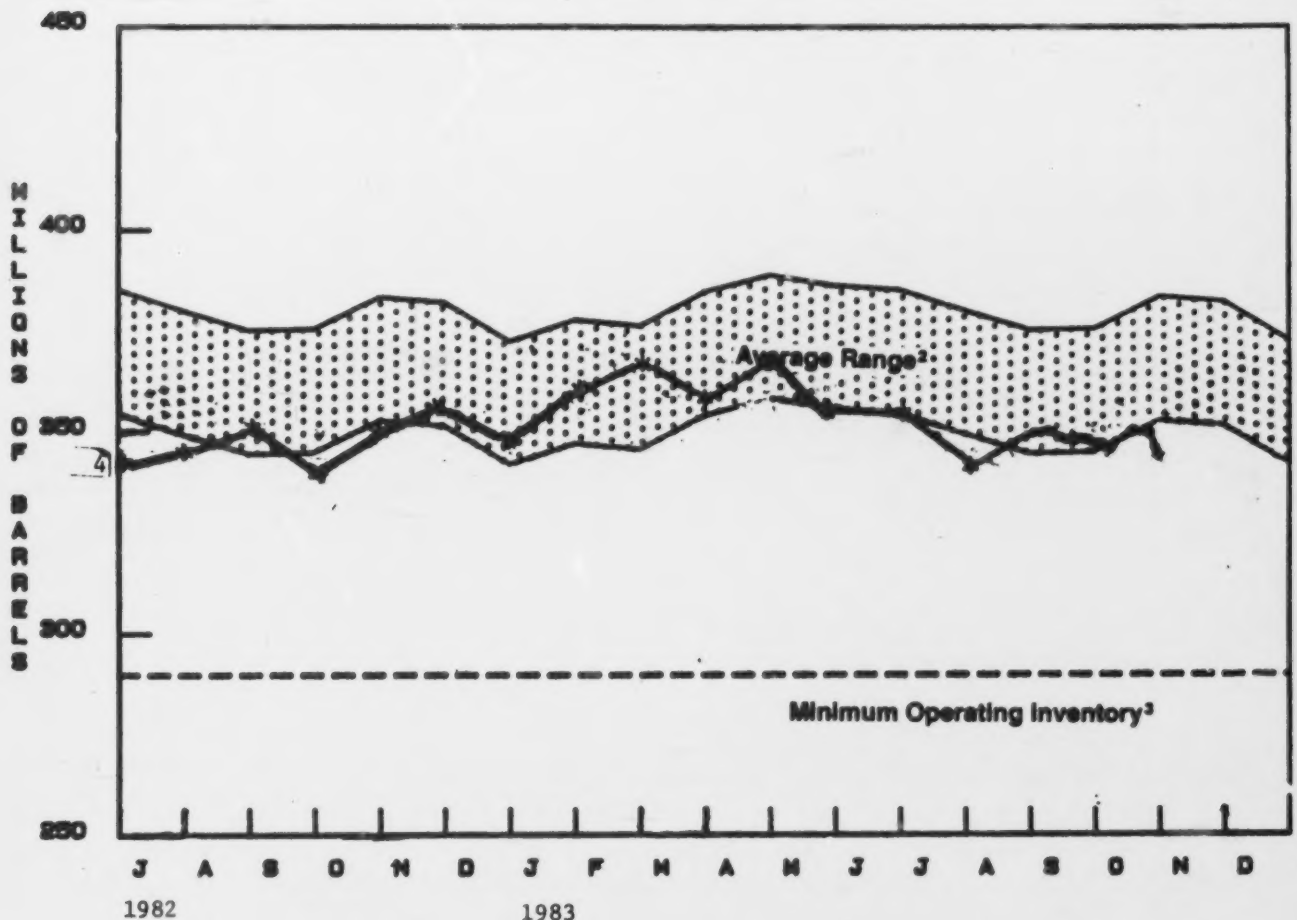
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

10/21/83	PAGE 2	LEADED MGAS	OKLA., KANS., MO.	268
			DISTRICT 2 TOTAL	806
			TOTAL U.S.	2,600
			DISTRICTS 1-4	2,136
		UNLEADED MGAS	OKLA., KANS., MO.	160
			DISTRICT 2 TOTAL	805
			TOTAL U.S.	3,443
			DISTRICTS 1-4	2,919
		DISTILLATE FUEL	EAST COAST	216
			DISTRICT 1 TOTAL	244
			TOTAL U.S.	2,712
			DISTRICTS 1-4	2,367
	PAGE 3	KEROSENE JET	DISTRICT 5 TOTAL	6,215
			TOTAL U.S.	36,482
		DISTILLATE FUEL	CENTRAL ATLANTIC	44,590
			DISTRICT 1 TOTAL	73,181
			TOTAL U.S.	164,215
			DISTRICTS 1-4	153,296
	PAGE 4 TOP	CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	262,577
			TOTAL U.S.	350,132
	PAGE 4 BOTTOM	TOTAL	PAD DISTRICT 3	156,719
		TOTAL	TOTAL PAD DISTRICTS 1-4	262,577
		TOTAL	TOTAL U.S.	350,132

Crude Oil Stocks at Primary Level¹ ⁵



¹Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

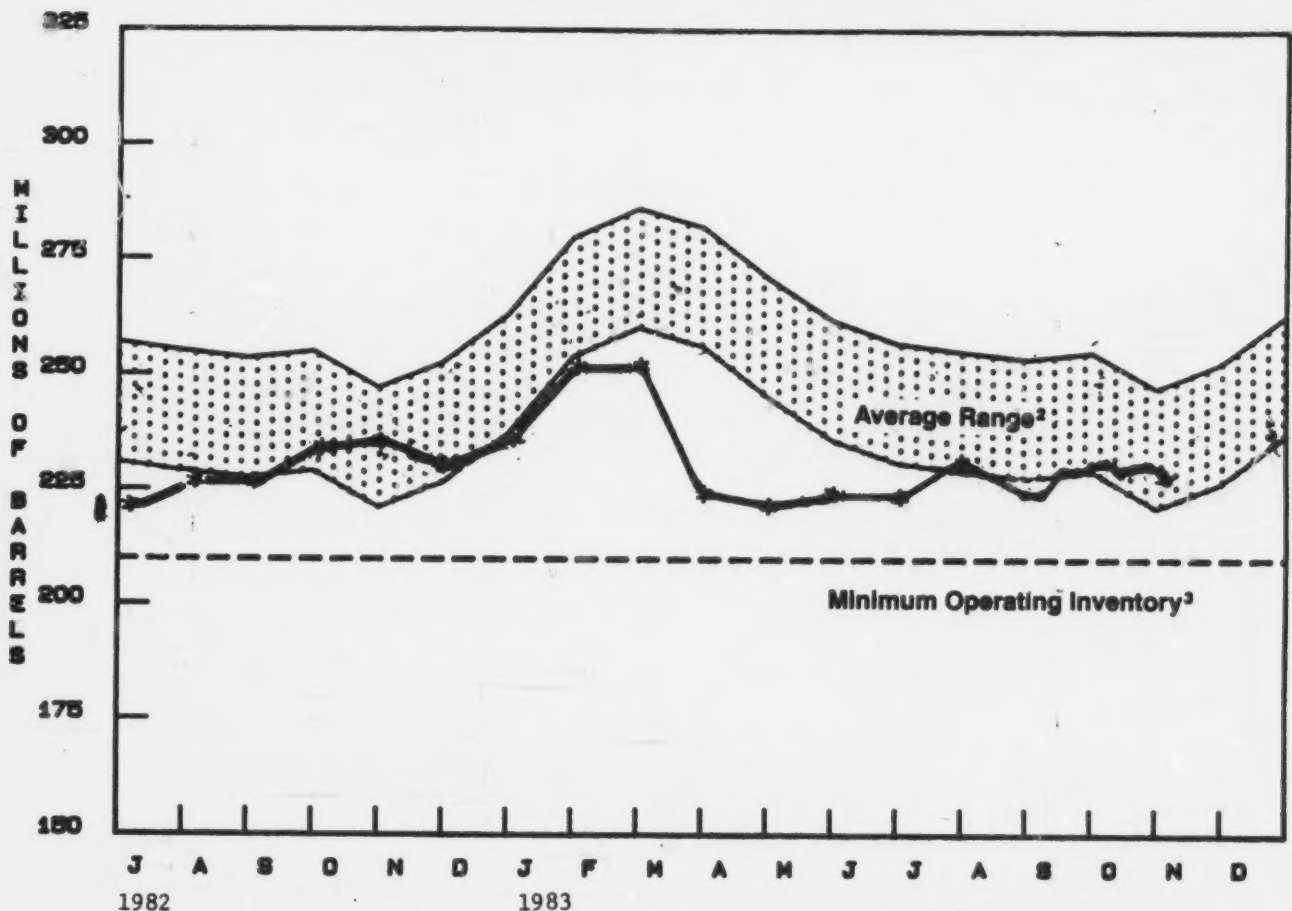
²Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level^{1,5}



¹Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

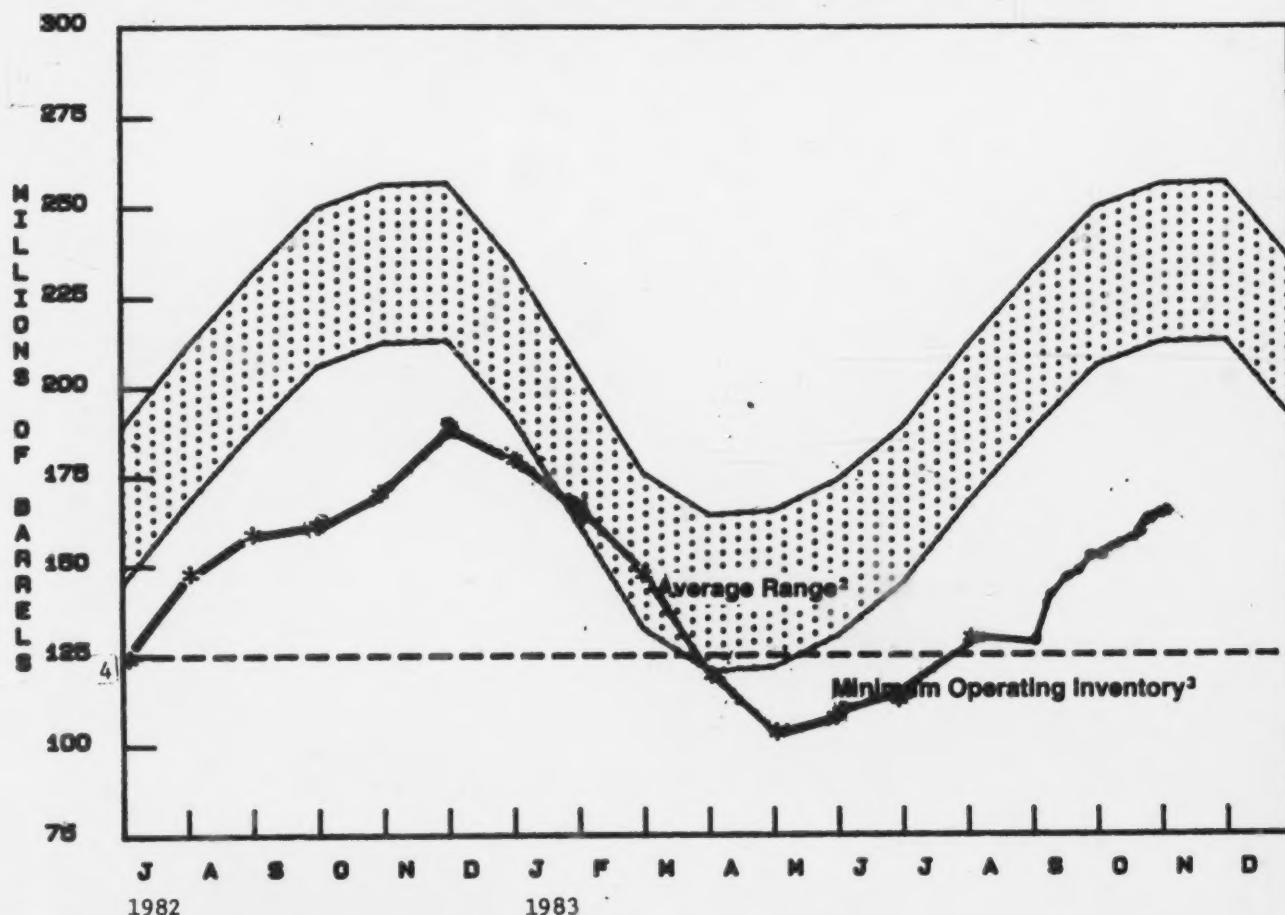
²Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
 ●— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level^{1 5}



¹Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

²Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
 ●— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.